

# Pacific Northwest National Laboratory

Operated by Battelle for the  
U.S. Department of Energy

June 13, 2006

Mr. Roger F. Christensen  
Director, Operations Division  
Pacific Northwest Site Office  
U.S. Department of Energy  
P.O. Box 350, K9-42  
Richland, Washington 99352

Dear Mr. Christensen:

## TRANSMITTAL OF THE PACIFIC NORTHWEST NATIONAL LABORATORY SITE RADIONUCLIDE AIR EMISSIONS REPORT FOR CALENDAR YEAR 2005

- Ref: 1) Environmental Protection Agency. *Compliance and Reporting*, 40 CFR 61.94. Washington, D.C.: U.S. Government Printing Office; 2002.
- 2) Washington Administrative Code. *Inspections, Reporting, and Recordkeeping*, WAC 246-247-080(2). Washington State: Statute Law Committee; 2005.

Enclosed is the Pacific Northwest National Laboratory (PNNL) Site Radionuclide Air Emission Report for Calendar Year (CY) 2005. This report is required by 40 CFR 61.94 and WAC 246-247-080(2) and covers only those activities conducted on the PNNL Site which at this time includes only the Environmental Molecular Sciences Laboratory (EMSL). Activities conducted at the EMSL that necessitate this report include work with non-dispersible radioactive material and volumetrically released material. In CY 2005, there were no activities conducted at the PNNL Site resulting in an offsite dose to a member of the public.

This report needs to be certified by Mr. Paul Kruger, Manager, Pacific Northwest Site Office, for transmittal to the Environmental Protection Agency and the Washington Department of Health. Per regulation, the report is due to the regulatory agencies on or before June 30, 2006.

### Contractor Certification:

"I certify that I have personally examined and am familiar with the information submitted, and based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the submitted information is true, accurate, and complete."

902 Battelle Boulevard • P.O. Box 999 • Richland, WA 99352

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If you have any questions regarding this issue, please contact Mr. Matthew Barnett at (509) 373-2928 or Mr. Eric Damberg at (509) 373-6715.

Sincerely,

A handwritten signature in dark ink, appearing to read "Roby D. Enge", with a long horizontal flourish extending to the right.

Roby D. Enge, Director  
Environment, Safety, Health and Quality

RDE/JMB/vjg

Attachment

cc: Terri L. Aldridge, PNSO  
Jeffrey L. Carlson, PNSO  
Terry L. Davis, PNSO

U.S. Department of Energy  
Office of Science  
Pacific Northwest Site Office  
Radionuclide Air Emissions Report for Calendar Year 2005

1.0 Facility Information

The Pacific Northwest National Laboratory Site is located in north Richland, Washington and occupies an area of about 130 acres. At this time, only the Environmental Molecular Sciences Laboratory (EMSL) resides within the boundary of the Pacific Northwest National Laboratory Site. The Pacific Northwest National Laboratory Site is part of the Pacific Northwest National Laboratory (PNNL) which is a U.S. Department of Energy (DOE), Office of Science, national laboratory. Battelle Memorial Institute operates the PNNL under contract for the DOE Pacific Northwest Site Office.

Contact information and the site address are:

Ms. Theresa L. Aldridge  
Department of Energy  
Pacific Northwest Site Office  
P.O. Box 350, K9-42  
Richland, Washington 99352

(509) 372-4508

The site manager is Mr. Paul Kruger.

2.0 Summary of Compliance Assessment

There were no activities resulting in radioactive air emissions from the Pacific Northwest National Laboratory Site during Calendar Year (CY) 2005 based on a review of research and operations conducted at the EMSL. The EMSL does not have a registered radioactive air emission unit. The prior registered radioactive air emission unit (EP-3020-01-S) at the EMSL was deregistered in 2004. There were no other activities constituting construction or modification on the Pacific Northwest National Laboratory Site during CY 2005.

Activities conducted at the EMSL include environmental dynamics and simulation, chemical structures and dynamics, materials and interfaces, macromolecular structures, and advanced processing. Work with radioactive material is limited to sealed sources, non-dispersible materials, and materials released from radiological control as per Department of Energy Order 5400.5.

### 3.0 Certification

The information contained in this report conforms to the requirements of 40 CFR 61.94 and WAC 246-247-080(2) for reporting radioactive air emissions on an annual basis. It is required to be signed and dated by a public official in charge of the facility with the declaration that follows.

"I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment. See, 18 U.S.C. 1001."

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Paul Kruger, Manager

Date